



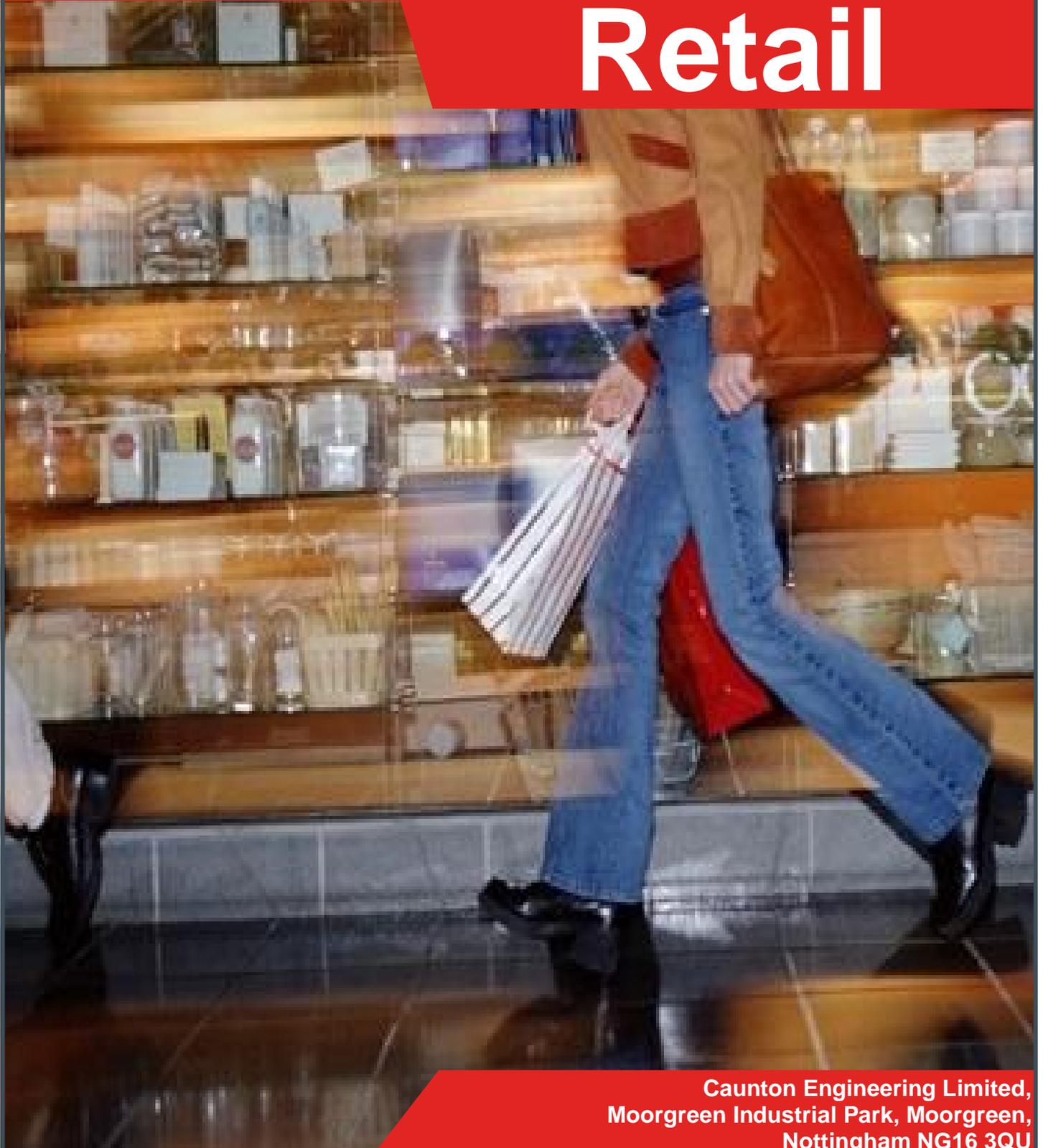
caunton

ENGINEERING

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Steelwork for

Retail



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Caunton is one of the UK's leading steelwork contractors, offering a one stop construction solution. Specialising in the design, fabrication and erection of structural steelwork Caunton Engineering can give a first class service every step of the way.

We are a family owned company, established in 1969 and we have since proven to be a progressive pioneer of fully automated manufacture, information technology and innovation.

Our Nottingham based production facility employs some of the most up to date computer numerically controlled machinery within our 150,000 sq foot plant on a 42 acre site.

The Arc Shopping Centre, Bury St Edmunds

This 5.38 hectare project includes steel framing for an 85k sq.ft. Debenhams Store and a Hopkins-designed auditorium roof

Caunton Engineering supplied the steelwork contract for the new £100million Arc Shopping Centre development in Bury St Edmunds. Debenhams is to be the anchor store for this massive 5.38 hectare project.

At the heart of the scheme is a new public square surrounded by new shops (including the 85,000 sq ft Debenhams' department store), residential apartments, cafes and restaurants, all neatly integrated with a new public building, housing a striking auditorium. This new multi-purpose space will offer prime use as a 1000 capacity flat floored hall or a concert/ performance space with 500 raked seats. This venue is

designed to utilise sustainable energy by employing a geothermal source for the heating in winter and cooling in summer.

The steelwork for Debenhams comprises over 800te of mainly a beam & column structure with curved (or arc-ed perhaps is a better word) facade supports, as the photograph shows. But in addition there is the striking auditorium roof structure to come, incorporating lattice girders plus beams positioned over masonry walls.



Client: Centros Miller
Main Contractor: Taylor Woodrow
Engineer: WSP Consulting Engineers
Architect: Hopkins Architects
Tonnage: 780 tonnes

West One Retail Park, Manchester

A substantial portal frame structure, then complimented by a delicate gull wing canopy



Caunton were involved with this project in supplying to the fashion retail sector. West One is a prestigious retail development at Eccles where Caunton designed supplied and erected the 820t of structural steel. The main retail blocks consist of clear span portal frames sub-divided internally to provide retail units of varying floor areas.

The external elevations are a mix of horizontal composite cladding and curtain walling with a pedestrian canopy to the majority of the front elevation, which has a gently sloping soffit.

A special feature of the project are the feature canopies with elegantly inclined slender CHS "masts" supporting curved roofs over the retail unit entrances. Stainless steel tension bracings from the tops of the masts provide support for the roof structures. The most graceful canopy is in the form of a gull-wing supported by a single inclined CHS mast.

Despite substantial scheme changes during the early stages of construction, the project was completed on time and to budget, to the complete satisfaction of our Client.



Client: Wilson Bowden Developments
Main Contractor: Wilson Bowden Construction
Engineer: Waterman BBT
Architect: Benoy
Tonnage: 820 tonnes

McArthur Glen Designer Outlet, Derbyshire

A demanding configuration of hip, valley and dormer roofs completed in record time



Caunton successfully completed 1,200 tonnes of steelwork on the BAA McArthur Glen Designer Retail Outlet at South Normanton on Junction 28 of the M1 in Derbyshire. The complex comprises an octagonal centre court bounded on three sides by an envelope of shopping malls, incorporating a two-storey management suite and a glazed atrium roof to the restaurant area of the food hall. The architecture called for a demanding configuration of hip valley and dormer roofs.

Client: BAA McArthur Glen
Main Contractor: Galliford Try
Engineer: Waterman Structures
Architect: Aspen Hanson Rowe
Tonnage: 1200 tonnes

There is also a high level of protection to the general public in the provision of external covered walkways to the whole of the concourse area. The main contractor Galliford set a demanding programme of just ten weeks for commencement on site and the Caunton team successfully completed on time.

Chatham Maritime Shopping Centre

Original Chatham shipyard buildings have been re-stored to create a grade two listed retail mall which is augmented by a new building that features a 60m long arch supporting a tensile fabric roof



Caunton completed the erection of over 1500te of structural steelwork for the prestigious Chatham Maritime, originally named Boiler Shop, factory outlet shopping centre on the banks of the River Medway at Chatham. The retail development accommodates 13,536m² (145,700 sq.ft.) net internal retail accommodation at ground floor and mezzanine levels and is constructed in and around the 19th Century cast iron Boiler Shop in Chatham Dock Yard. The Boiler Shop comprised a central nave with lower aisles along north and south elevations and a two storey feature structure, The Tent,

built onto the east. This comprises a stunning tensile fabric roof, but marks an important moment in the development of tensile membrane roof structures. This was a starting point in the development of thermally insulated tensile roofing. The two storey structure built onto the west houses the main entrance to the retail centre and a new mezzanine floor built within the existing building.

Main Contractor: Galliford Try
Engineer: Melliss & Partners
Architect: Kemp Muir Weallans
Tonnage: 1,500 tonnes



ASDA

ASDA Stores

Caunton has been a regular supplier of steelwork for ASDA over the years, Llandudno for example

Caunton have supplied various new supermarket stores for retail giant ASDA over recent years. One instance of which when the company extended the size of their store in Llandudno by over 50%.

It was part of the delightful seaside resort's Victoria Shopping Centre that, as a result, became one of ASDA's largest stores in North Wales, second in size only to their Deesside megastore.

The ASDA project itself was managed by major contractor RG Group as a design-and-build contract. This was unusual for ASDA, but it did as a result encourage the introduction of several innovations associated with D&B. For example, Caunton designed and erected the 445 tonne, 72 metre wide propped mansard frames, in only seven weeks and in a specific sequence, which enabled the main contractor to start following trades as early



as possible. This was to achieve a very tight programme indeed.

Further to the success of the Llandudno store, Caunton were then employed to supply the steelwork for ASDA stores in cities such as Nottingham, Essex and Rawtenstall.

Most recently however, Caunton supplied the steelwork for a 2,500 sq.m store at Stoke Park in Ipswich (see below photo). In total 210 tonnes was supplied for the mono slope braced frame which incorporated mezzanine floors, metal decking, an external service yard and entrance canopies.

Client: ASDA
Main Contractor: RG Group
Engineers: GD Partnership & MJM Consulting



ASDA Stoke Park, Ipswich



Tesco Extra Store in Chesterfield

Tesco Extra Store on stilts to the first floor erected in a prompt

Client: Tesco Stores plc
Main Contractor: Bowmer & Kirkland
Engineer: T R Collier Associates
Architect: Saunders Partnership
Tonnage: 1,825 tonnes



Caunton are supplying the steelwork for a new Tesco Extra store in Chesterfield. The 9.5 acre site bought by Tesco is part of a 22 acre site originally purchased by developer Wilson Bowden and is the former Dema Glass factory. Dema were in fact once the largest manufacturer of domestic glassware in Britain. When the overall development is complete it is planned to house the new football stadium for local league team Chesterfield FC too. The team are known as the Spire-ites, after the famous twisted church spire of the town.

Caunton's accelerated site programme, jointly developed with main contractor B&K, means that it is planned that the new Tesco store will be open by the end of the year 2009. The new stadium's opening will have to wait until the start of the 2010/11 season.

The store itself is designed to be on stilts to first floor level, with a 995 space car park underneath. The contract for Caunton comprises 1,825 tonnes of steelwork and the site programme is a speedy 10 weeks.

Tesco Walsall Store

Major new development as part a initiative to Regenerate the town of Walsall



steelwork comprises a two storey structure and included floor beams from "cellular beams" so efficient when housing M&E services in particular, and minimizing building height.

The £55m scheme created 230 new jobs and was part of the 'Walsall first' initiative, a partnership between Tesco, Walsall College, the council and Walsall Regeneration company, to help support the regeneration of Walsall as a leading town in the West Midlands. With the new manor hospital opening and work to start soon on the new homes at Walsall waterfront, investment and change is much in evidence in the town.

Caunton supplied over 1300te for a major new Walsall Tesco store development, managed by major contractor Bowmer & Kirkland. This followed the two companies' successful collaboration with the Tesco Extra Store in Chesterfield.

Caunton were most pleased to be part of this regeneration of the town which has for so long been the British centre of saddle-making.

Client: Tesco Stores plc
Main Contractor: Bowmer & Kirkland
Engineer: Pinnacle Consulting Engineers
Architect: Saunders Partnership Architects
Tonnage: 1,390 tonnes

The site was that of the former Walsall College. In a land swap deal, Walsall College moved to a new site and opened its Wisemore campus. The development was originally scheduled to open in Spring 2011 but due to the speed and efficiency of the construction the store was officially opened in December 2010 ready for the Christmas boom. The



Two Tesco stores for Nottingham

Over 1,500 tonnes of structural steelwork provided to regenerate local towns

Caunton provided the structural steelwork for two tesco stores within the Nottingham area in 2010, in the local town centres of Bulwell and Beeston.

Combined the new developments created a total of 880 new jobs to the local areas providing a much needed boost to local employment rates.

The Beeston store provides 9,185 sq.m of retail space with a mezzanine level, cafe and 440 car parking spaces. This equated to 550 tonnes of structural steelwork.

In comparison the new £25m Bulwell store consisted of 900 tonnes of structural steelwork on a site which had been derelict for some time after the previous kwik-save had closed.

Caunton are most pleased to be part of the team in regenerating towns so local to the business itself.



Byron's Place Shopping Centre - Seaham, Co. Durham

New shopping complex built as a result of successful D&B relationship with major contractor



Caunton supplied and erected the steelwork for a new shopping complex built by major contractor Bowmer and Kirkland in Seaham Co. Durham. The contract was design-and-build and Caunton and B&K have enjoyed for some time a mutually beneficial D&B relationship having worked together at Cobalt Business Park in nearby Newcastle.

pound shopping complex includes an Asda supermarket as well as Argos and Wilkinsons stores.

Work started in September 2006 and was completed in Spring 2007, aiming to revitalise the area, using the successful redevelopment of the central shopping district of neighbouring town Peterlee as a benchmark.

The complex is entitled Byron's Place in recognition of its links and proximity to Seaham Hall where Lord Byron wed Anne Isabella Milbanke and where they resided during their short-lived married life together. The new multi-million

Main Contractor: Bowmer & Kirkland Limited
Engineer: Faber Maunsell
Architect: Browne Smith Baker Architects
Tonnage: 650 tonnes



IKEA Brent Park

Supplying Structural Steelwork for Swedish company IKEA within a tight footprint

Caunton designed the connections and coordinated the trade interfaces for this 140te extension to



IKEA at Brent Park. As well as providing the main steelwork Caunton also provided off-site concrete encased feature columns, drilled and fixed resin anchor holding down bolts, designed and fixed the metal decking and fabricated connections on site to connect to the existing structure.

All the works were carried out within a very tight footprint and around a working store.

As always, close coordination and good teamwork with the management contractors and design team resulted in a successful project.



Client: IKEA
Main Contractor: RG Group
Engineer: BWB Partnership
Architect: Ruddle Wilkinson
Tonnage: 140 tonnes

Giltbrook Retail Park, Nottingham

Steelwork for a mixed use retail and employment park conveniently located 2 miles from Caunton's offices and works



near Nottingham. This expansion is the next stage of the development of a major site presently occupied by both a substantial IKEA store, and by NEXT and Decathlon outlets too.

retail area, which will in turn comprise three business units, fourteen shops and up to nine hundred parking spaces. Caunton supplied the steel framing for what will be nine distinct buildings in all.

Caunton worked for main contractor McLaren Construction and major developer British Land on a £70 million development, the Giltbrook Retail Park, which is coincidentally and conveniently located only 2 miles from Caunton's offices and works,

The mixed-use retail and employment scheme is being developed by what is now Europe's largest quoted Property Company, British Land, and expects to generate up to 1,000 jobs locally. The 240,000 sq ft site creates 80,000 sq ft of employment units and 150,000 sq ft of

Client: British Land Plc
Main Contractor: McLaren Construction
Engineer: Evolve
Architect: Corstorphine & Wright
Tonnage: 900 tonnes

Parkway, Newbury

A scheme set to regenerate the town centre of Newbury showing “urban design at its best”



stores and an additional 52 shops including eight kiosks and a ‘food terrace’

The Parkway is set to provide a major boost to the historic town of Newbury. Located in the heart of the town centre the

the town centre. It is claimed by developers SLI that “the new development keeps and

enhances these significant buildings and the feeling of the ‘high street’ while helping the whole town to become more lively with a balanced spread of shopping outlets throughout the town.”

Attentively designed the scheme aims to incorporate rather than to compete with other parts of the town centre.

Client: Standard Life Investments
Main Contractor: Costain Plc
Engineer: Cundall
Architect: Sutton Griffin Architects
Tonnage: 2100 tonnes

Caunton are supplying over 2,000 tonnes of structural steelwork for a 475,000 sq ft shopping and housing complex for major contractor Costain and their client Standard Life Investments (SLI).

scheme structure incorporates two-storey steel framed retail units and timber-framed residential units above with green garden roofs.

Aimed to be a scheme that shows urban design at its best, the parkway has fully pedestrian-ised open streets and squares with a varied mix of activities and facilities which is set to regenerate an underused part of



Marriott’s Close, Witney

Mixed use retail & leisure complex to Witney town Centre

Caunton supplied the steelwork for a new retail and leisure development in the charming Oxfordshire town of Witney. The site is developed by Simons Developments and is to be entitled Marriott’s Close.

The retail development includes a 32,000 sq.ft Marks & Spencer and a 14,400 sq.ft Debenhams store to be the anchor stores of this multi million pound project.

In fact this development itself is scheduled to cost around £50m.

The mixed use retail & leisure complex incorporates 14 retail units, a 5 screen cinema, 3 restaurant/cafes and around 190 new homes. Big name chains such as Frankie & Benny’s and Starbucks and one of the UK’s foremost cinema operators, Cineworld, also intend to occupy the development.



The total tonnage of this project adds up to around 1100 tonnes of structural steel.

Main Contractor: Simons Construction
Engineer: BWB Partnership
Architect: WCEC Architects
Quantity Surveyor: MDA Group
Tonnage: 1100 tonnes



St. Catherine's Walk Retail & Leisure, Carmarthen

A predominantly low rise retail & leisure project designed to fit in with the surrounding buildings



Caunton have supplied and erected some intricate steelwork for a £75m retail & leisure project named St Catherine's Walk in Carmarthen.

A total of 1,750te of structural steelwork has been supplied, which provides 245,000 sq.ft of retail accommodation for a potential catchment area of 80,000 people.

The site is located on the convergence of the A48 and A40 in a thriving historic market town which has a potential retail spend of £165.5m and attracts around 800,000 tourists annually. The project includes a Debenhams department store, 950 space car park and 12 retail units in addition to a 1,000 seat six screen Apollo cinema and new indoor market hall.

The project consists of predominantly low rise buildings to compliment and fit in with the surrounding older and residential

properties. The first building to be erected was the market hall consisting of 200te of steelwork. The roof is formed with long glulam timber beams connected to the steel. This particular building took a total of 4 weeks to erect with our onsite team erecting as many as 80 individual steel members some



days as the building consists of much small irregular steelwork. Due to the intricate design incorporating sloping walls and roofs created, there are no 90 degree angles in the design of the main frame, and the walls consist of purely vertical members.

Main Contractor: Simons Construction
Engineer: AKS Ward
Architect: Rio Architects
Tonnage: 1600 tonnes



Vancouver Shopping Centre, Kings Lynn

A shopping centre designed carefully to compliment environment of this historic city.



Caunton Engineering worked on the new-build and refurbishment of the Vancouver Shopping Centre in Kings Lynn. This is situated within the sensitive and historic environment of this famous city.

The client together with their architects, had a brief to update the 60's shopping centre and Caunton supplied over 1000te of steelwork to that end.

Caunton's own directly employed erection team were aware of the sensitivity working so close to a live shopping environment where attention to safety is paramount. Their experience in this is most valuable.

Client: Caddick Developments
Main Contractor: Carillion
Engineer: White Young Green Partnership
Architect: Comprehensive Design Architects
Tonnage: 1170 tonnes



For further information on any of the mentioned projects please contact our marketing department:
sales@caunton.co.uk

Over the past 10 years Caunton have provided their steelwork expertise for over 25 Sainsbury's projects in total ranging from Eastbourne to Edinburgh

Northumberland Development Project



committed within the Northumberland Project to developing a new £400 million stadium development.

McLaren Construction has been appointed as main contractor to build the new supermarket and commercial/

Main Contractor: McLaren Construction Ltd
Engineer: Kirksaunders Associates Ltd
Architect: KSS Creative Architecture and design
Tonnage: 2500te

Caunton are supplying the steelwork for a new supermarket, which will be one of the largest of its kind in London. This will encompass 12,000 sq. m with a sales floor area of 6,700 sq. m and will be operated by Sainsbury's. This phase of what is entitled the Northumberland Development Project, announced by Tottenham Hotspur Football Club last year, also includes 10,200 sq. m of commercial/educational space above the supermarket. Moreover the club has announced it is

educational space to the north of Spurs' proposed new stadium.

Caunton are responsible for the design and construction of the steel frame –comprising over 2500te of structural steelwork.

The Orchard Shopping Centre, Didcot



clients Taylor Woodrow and South Oxfordshire BC.

main shopping street also under construction. There was also a five screen cinema complex with an attendant Arts Centre

Caunton supplies and erects steelwork for a range of framing requirements: two-storey beam-and-column, single-storey latticed frames

Client: J Sainsburys Plc
Main Contractor: Bowmer & Kirkland
Engineer: Waterman Partnership
Architect: Oxford Architects
Tonnage: 1,650 tonnes

Caunton Engineering supplied over 1600te of structural steelwork for a most exciting new shopping complex in Didcot, the booming Oxfordshire town, and former major railway centre. The complex, named The Orchard Centre, had Bowmer and Kirkland as main contractor with joint

and portal frames, plus staircases and metal decking. This large centre will house around thirty shop units in all, plus a major Sainsbury's development. The photograph shows these shop units under construction either side of the

